

Available Positions – M.S. and M.A.

Position Number	Deg	Discipline	Position Description
MO-SR-08-05-01	MS	Computer	Perform development, implementation and review of technical cyber & network security controls. Graduate school experience in information security and high performance computing required.
MO-SR-NHS-07-013-02	MS	Chemistry / Materials Science	Design and conduct R&D activities to improve the safety, reliability and operability of hydrogen processing systems. Perform research into the purification, separation, storage and delivery of hydrogen isotopes. At least 8 years relevant experience required.
MO-SR-NHS-07-014-01	MS	Chemistry / Materials Science	Design and conduct R&D activities to improve the safety, reliability and operability of hydrogen processing systems. Perform research into the purification, separation, storage and delivery of hydrogen isotopes. At least 2 years relevant experience required.
PR-EX-2008-00065	MS	Materials Science / Engineering	Conduct research and development programs in the area of materials failure analysis, materials characterization and materials performance. At least 5 years relevant experience with specialization in materials characterization and failure analysis, product development and performance characterization.
PR-EX-2009-00009	MS	Chemistry/ Biology/ Toxicology/ Environmental	Operate and maintain laboratory equipment for isotopic abundance and concentration measurements of very low level environmental samples. Equipment includes: Inductively Coupled Plasma Mass Spec., Thermal Ionization Mass Spec. and Low Level Liquid Scintillation Counter and / or Gas Chromatographs. At least 2 years relevant experience required.

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PR-EX-2009-00033	MS	Computer Science	Provide management, leadership, planning, and policy recommendations for the ongoing development of SRNL's computing infrastructure with emphasis on high performance computing (HPC). At least 8 years relevant experience in the information technology/computing disciplines including at least 5 years of management experience required.
PR-EX-2009-00042	MS	Chemical Engineering / Nuclear Engineering	Apply knowledge of nuclear and nuclear process technologies to the task of all-source intelligence analysis or nonproliferation policy support with the SRNL Field Intelligence Element.
SRNS-08-100	MS	Science or Engineering	Perform performance assessments to support safe radioactive waste disposition activities to include designing, operating, monitoring and closing waste disposal systems. At least 15 years relevant experience with performance / risk assessments and evaluation of field implementation practices for radioactive waste.
SRNS-08-62	MS	Mechanical / Nuclear Engineer	Perform design, deployment and operation of field instrumentation systems to collect engineering, meteorological and radiometric data. Analyze engineering and environmental systems, and complex data sets of engineering, atmospheric, and radiometric data.
SRNS-08-69	MS	Chemistry / Chemical Engineering	Perform risk analysis, environmental pathway modeling and modeling for performance assessments to support radioactive waste disposition and end-state determinations. At least 2 years relevant experience required.
SRNS-08-70	MS	Chemistry / Chemical Engineering	Perform risk analysis, environmental pathway modeling and modeling for performance assessments to support radioactive waste disposition and end-state determinations.
SRNS-08-76	MS	Chemistry / Chemical Engineering	Perform research and development of flowsheets in the area of radioactive waste and waste form processing.

SRNS-08-77	MS	Civil / Environmental Engineering	Develop flowsheets and determine chemical reactions that take place while stabilizing low activity radioactive waste in grout, utilizing reaction kinetics, cement process chemistries and property measurement techniques. At least 2 years relevant experience required.
SRNS-08-80	MS	Chemistry	Provide radiological analysis for alpha and gamma instruments, operation of alpha, gamma and liquid scintillation instruments and preparation of non-radioactive sample for nuclear analysis.
SRNS-08-89	MS	Physics / Engineering	Design and implement mathematical algorithms and models, utilizing field instrumentation for remote sensing in the atmosphere. Background in heat transfer and fluid dynamics, and at least 2 years relevant experience required.
SRNS-08-90	MS	Chemistry	Conduct research and development in applications of radiochemistry focused on the application of radiochemical separation and measurement technologies. At least 2 years relevant experience required.
SRNS-08-96	MS	Electrical Engineering	Develop custom electronic systems including camera and detection systems, remote equipment, and instrumentation and control systems.
SRNS-08-97	MS	Electrical Engineering	Perform engineering research and development of custom electronics and electrical systems for federal agencies.
SRNS-08-98	MS	Computer Engineering / Science	Perform engineering research and development of custom software for customized detection and monitoring systems for federal agencies.
SRNS-08-99	MS	Chemistry / Chemical Engineering	Perform risk analysis, environmental pathway modeling and modeling for performance assessments to support radioactive waste disposition and end-state determinations. At least 16 years relevant experience required.
SRNS-09-123	MS / MA	Physical / Social Science	Perform intelligence analysis on foreign nuclear programs relative to delivery systems and international proliferation. At least 7 years relevant experience in intelligence / national security required.

SRNS-09-125	MS / MA	Various	Perform enforcement analysis, support enforcement activities and business development. Reside in Washington D.C. area. At least 12 years relevant experience in intelligence / national security required.
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